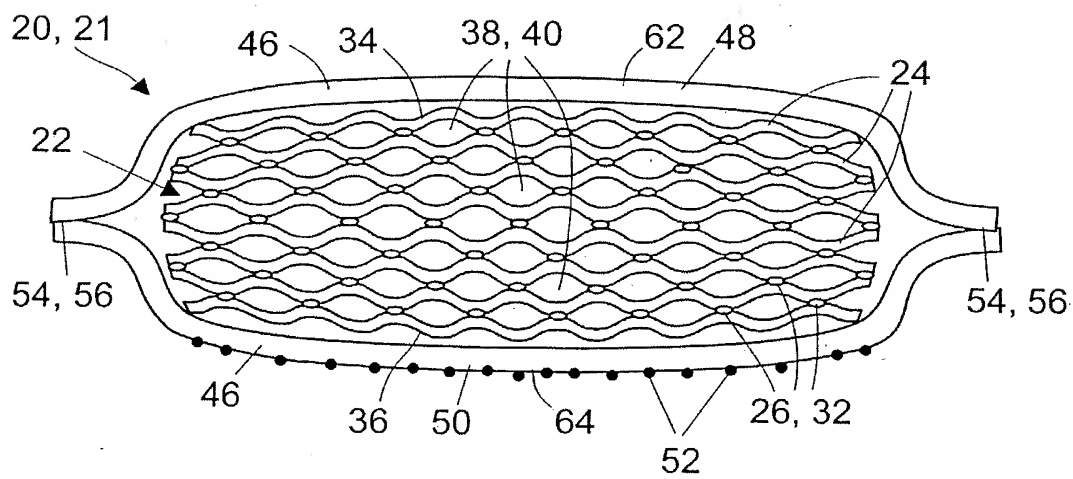


### Figure 1



## Figure 2

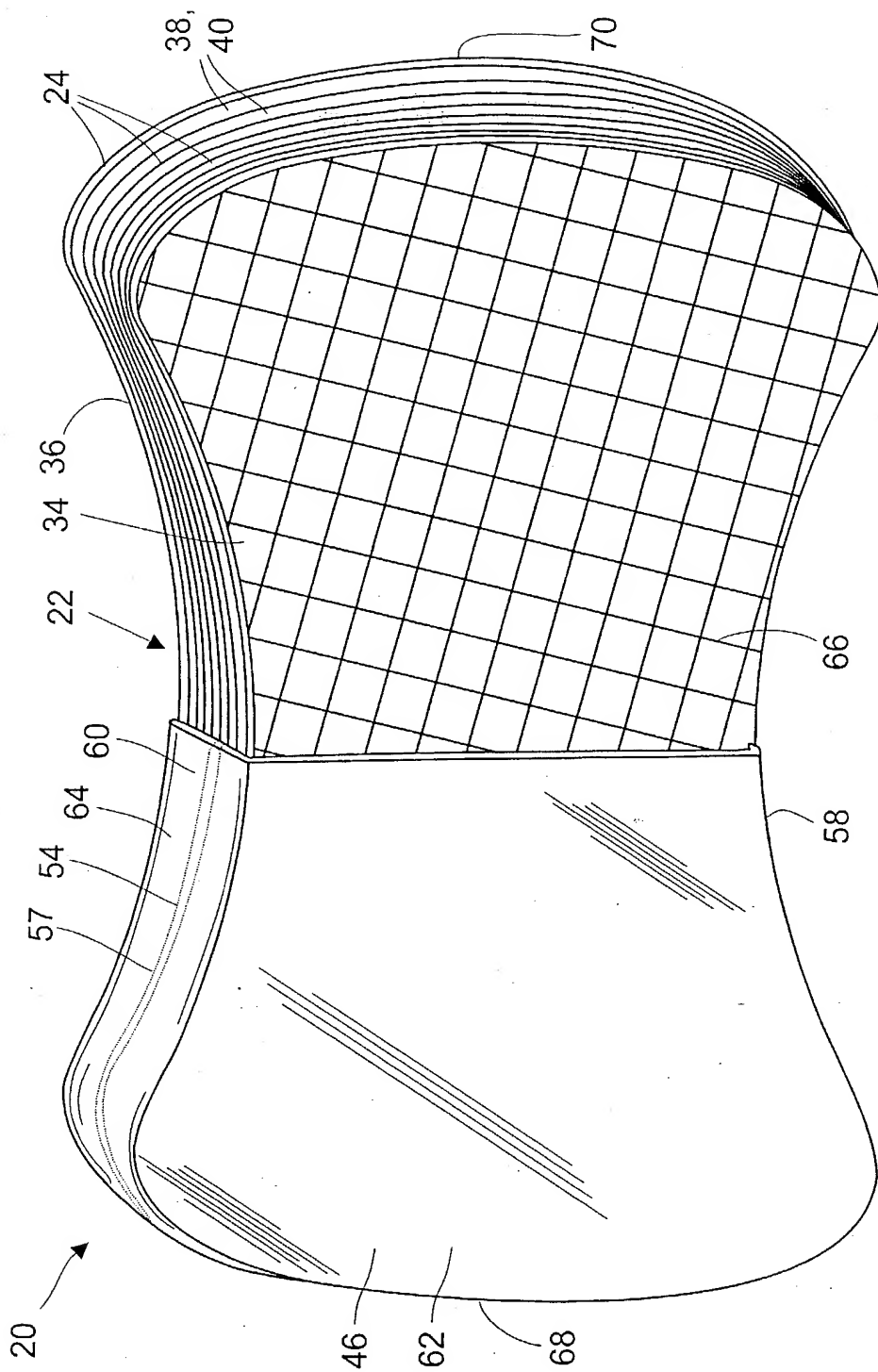


Figure 3

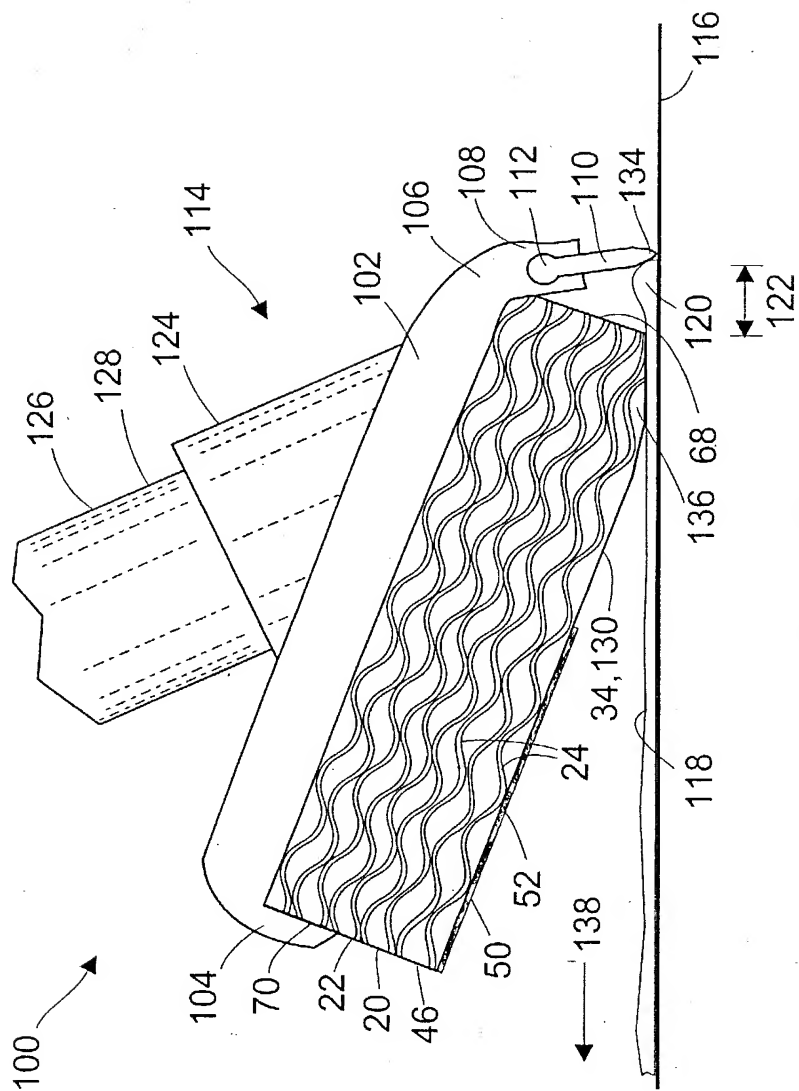


Figure 4

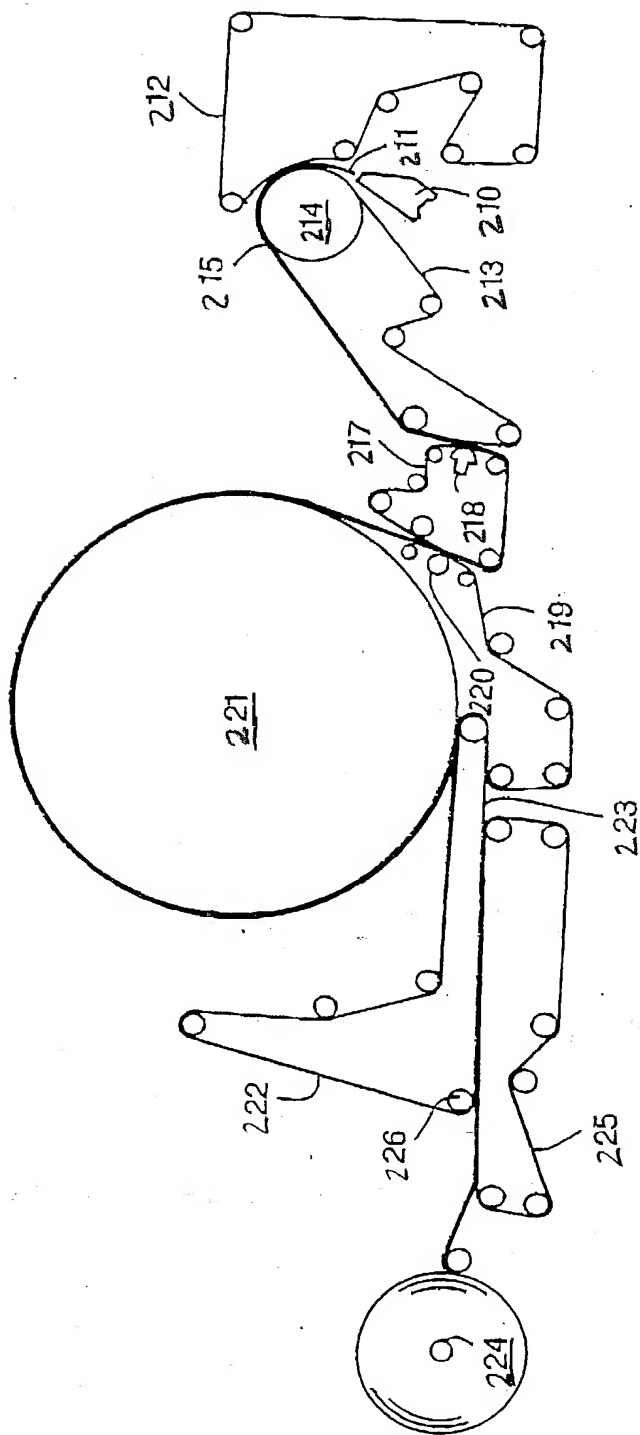


FIG. 5

The diagram illustrates a multi-stage air filtration system. The system is divided into two main sections: a top rectangular stage (300) and a bottom trapezoidal stage (24). The top stage has a width  $W$  and a thickness  $T$ . Air enters the top stage from the left and exits to the right. Inside the top stage, air passes through a filter (302) and a collection layer (308). A downward arrow (306) indicates air flow from the top stage into the bottom stage. The bottom stage has a top surface (310) and a bottom surface (314). Air enters the bottom stage from the top and exits downwards through a filter (318) and a collection layer (316). A downward arrow (312) indicates air flow within the bottom stage. A pressure symbol (P) is shown near the bottom exit. The diagram includes various labels for components and dimensions.

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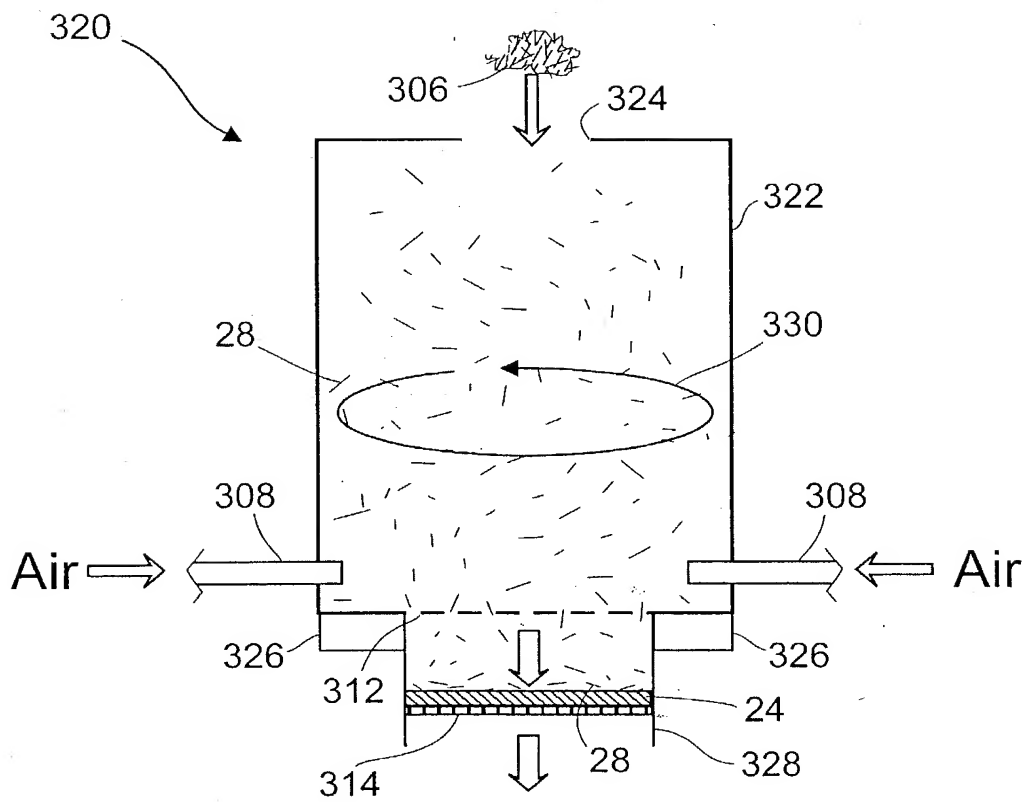


Figure 7

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